

IAP15 Rec'd PCT/PTO 23 NOV 2005

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

**Daniel MASSACOTTE et al.****International Appln: PCT/CA2004/000757****Filed: May 21, 2004**

U.S. Application No.: Not Yet Assigned

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Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

Confirmation No.: Not Yet Assigned

**Atty. Docket No.: 64845-225737 RK**Customer No.: **26694****Information Disclosure Statement**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is an Information Disclosure Statement submitted under 37 C.F.R. § 1.97 within the time specified under 37 C.F.R. § 1.97(c).

In order to comply the duty of disclosure pursuant to 37 C.F.R. § 1.56, submitted herewith is a Form PTO/SB/08A listing the documents cited in the international application and in the International Search Report of International Application No. PCT/CA2004/000757. The relevance of each document is indicated therein.

Copies of the documents cited in the International Search Report are not being provided since copies are furnished directly by WIPO under an exchange program between the PTO, the EPO and the JPO.

If the copies of the documents cited in the International Search Report were not furnished and a copy of each cited document is desired, please inform the undersigned and a copy of the missing documents will be supplied.

In view of the above, no further statement of relevance need be given, and as all requirements of 37 C.F.R. § 1.97 and § 1.98, and all official guidelines pertaining to Information Disclosure

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Applicant(s): Daniel MASSACOTTE et al.

Atty. Docket: 64845-225737 RK

Statements have been complied with, it is respectfully requested that the Examiner consider the cited publications and make them of record.

Respectfully submitted,

Date: November 23, 2005

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Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	Not Yet Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Daniel MASSACOTTE et al.
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	64845-225737 RK

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	AA**	WO-98/43362	10-01-1998	Daniel YELLIN		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \*\* CITE NO.: Those document(s) which are marked with an double asterisk (\*\*) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AB**	M. J. JUNTTI, "LMMSE Detection for DS-CDMA Systems in Fading Channels", IEEE Transactions on Communications, Vol. 48, No. 2, 2000, pp. 194-199	
	AC**	M. J. JUNTTI ET AL., "Multiuser Receivers for CDMA Systems in Rayleigh Fading Channels", IEEE Transactions on Vehicular Technology, Vol. 49, No. 3, May 2000, pp. 885-899	
	AD**	A.O. DAHMANE ET AL., "Nonlinear Multiuser Receiver for UMTS Communications", IEEE-Semiannual Vehicular Technology Conference, Vancouver, 24-29 September 2002, pp. 252-256	
	AE**	S. VERDU, Multiuser Detection, Cambridge University Press, 1998	
	AF**	H. NOLMA ET AL., WCDMA for UMTS: Radio Access For Third Generation Mobile Communications, John Wiley & Sons Ltd. 2000	
	AG**	S. KLEIN ET AL., "Zero Forcing and Minimum Mean-Square-Error Equalization for Multiuser Detection in Code-Division Multiple-Access Channels", IEEE Transactions on Vehicular Technology, Vol. 45, No. 2, May 1996, pp. 276-287	
	AH**	K. DAS ET AL., "Adaptive Interference Cancellation for DS-CDMA Systems Using Neural Network Techniques", IEEE Journal on Selected Areas in Communications, Vol. 16, No. 9, 1998, pp. 1774-1784	
	AI**	S. BHASHYAM ET AL., "Multiuser Channel Estimation and Tracking for Long-Code CDMA Systems", IEEE Transactions on Communications, Vol. 50, Issue 7, July 2002, pp. 1081-1090	
	AJ*	S. BHASHYAM ET AL., "Multiuser Channel Estimation For Long Code CDMA Systems", IEEE, vol. 2, 23 September 2000, pp. 664-669	

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